



Maxwell CCC Presentation
21 June 2023

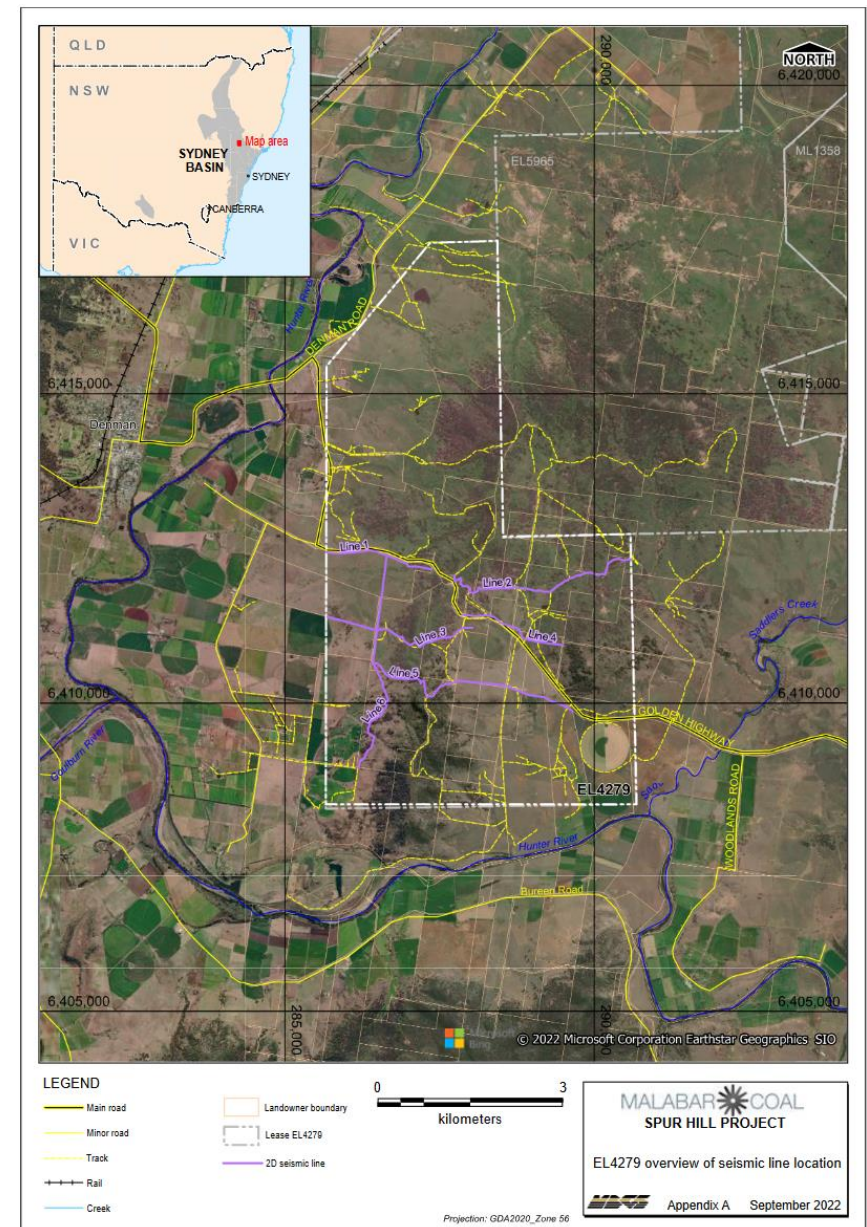
Meeting Agenda

No.	Topic	Who
1	Welcome & Introductions	Chairperson
2	Apologies	Chairperson
3	Acknowledgement of Country	Chairperson
4	Declaration of Pecuniary Interests	Chairperson
5	Business Arising/Action Items	Chairperson
6	Correspondence	Chairperson
7	Update on Maxwell Mine and Spur Hill Project	James Johnson
8	Management Plans and Environmental Performance	Donna McLaughlin and Alex Newton
9	Community Updates	Donna McLaughlin and Teagan Rutter
10	Community Questions	All
11	Antiene Modification	Donna McLaughlin and Alex Newton
12	General Business	All
13	Next Meeting	Chairperson
14	Meeting close	Chairperson

7. Update on Spur Hill Project and Maxwell Mine

Spur Hill Exploration

- Preparations for 2D seismic programme progressing.
- Work completed:
 - Archaeological and Ecological surveys completed.
 - Final reports expected within the next few weeks.
- Seismic contractor and geophysicist consultant engaged.
- APO (previously ESF4) to be submitted once final reports received.
- Landowner liaison to take place once APO approved.
- Planning for acquisition in Q3 of this year- late August/early September.
- Acquisition to take approximately four days.
- Field preparations are required prior to acquisition.



Maxwell Underground Mine - Schedule

Calendar years	2022			2023			2024			2025			2026 Onwards		
Site readiness & Construction preparation	█	█													
Construction of Access Rd & MEA		█	█	█	█	█	█								
Construction of Mine Access Portals, Drifts & Vent Shaft			█	█	█	█	█	█							
Construction of site infrastructure			█	█	█										
Re-commissioning of CHPP & Infrastructure			█	█	█										
Onboarding Workforce				█	█	█	█	█	█						
Whynot Seam (B&P Operations)				█	█	█	█	█	█	█	█	█	█	█	█
Development Coal produced to set up for Longwall production								█	█	█	█	█	█	█	█
Longwall ordered, manufactured, delivered and installed			█	█	█	█	█	█							
Design, Construction & Commissioning of overland conveyor					█	█	█	█	█	█					
Longwall production											█	█	█	█	█

MEA Earthworks

MEA Dams



MEA Earthworks

Woodlands Hill Portal 08/03/23



Woodlands Portal 07/06/23



8. Management Plans and Environmental Performance

Rehabilitation Update

- Planting 21,000 plants in the Southern Offset Area and Southern Void.
- Spraying of golden wreath wattle and boxthorn along haul roads and internal tracks. Spraying of pampas grass and spiny rush downstream of the Access Road Dam.
- Five hectares of the invasive golden wreath wattle mulched around the Industrial Dam.
- Pig trapping and 1080 dog baiting program undertaken.
- Targeted shooting program for feral animals commenced.
- Kangaroo cull in tree planting areas.



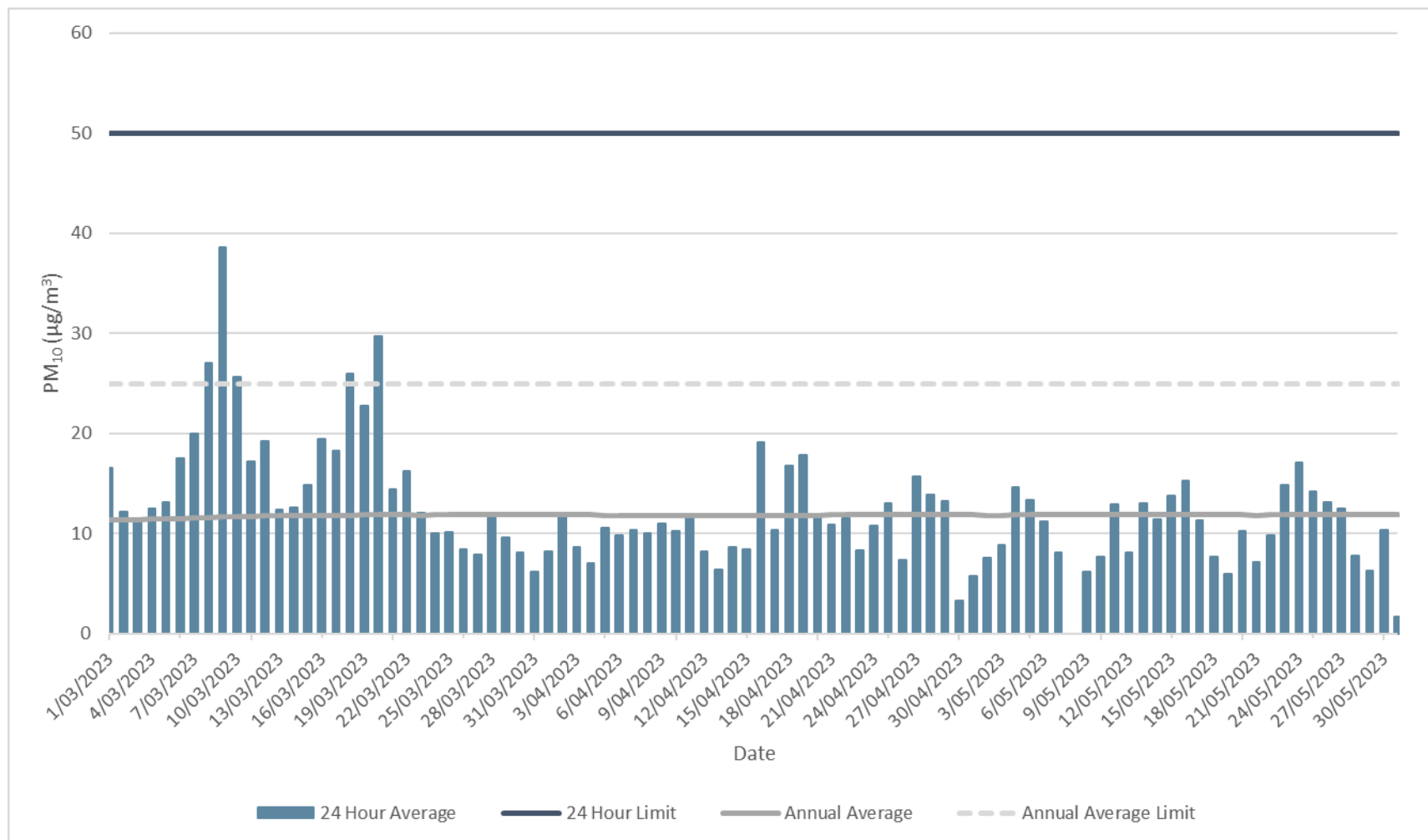
Landform Evolution Modelling

- On 22 December 2022, Maxwell was issued with a notice under Section 240 of the Mining Act 1992 to engage a suitably qualified expert to undertake an assessment of the rehabilitated landform and surface water management structures
 - Christopher Waygood, Principal Mine Closure Specialist for WSP was engaged by Maxwell to undertake and prepare the Assessment Report.
 - This Assessment Report found that the measured values are comparable to the previous LEM modelling undertaken by SRK, in that the vegetated rates in the short term do appear to be of a similar order of magnitude to the predicted rates for 10 years.
 - This Assessment Report also found that Drains ID 5, 7, 8, 9, and 10 need to be widened due to the rock size being inadequate for the current drain width and computed peak flows.
 - Further, testing of the rock material found that the rock was generally competent, although localized weathering of some fractions can be expected.

Landform Evolution Modelling

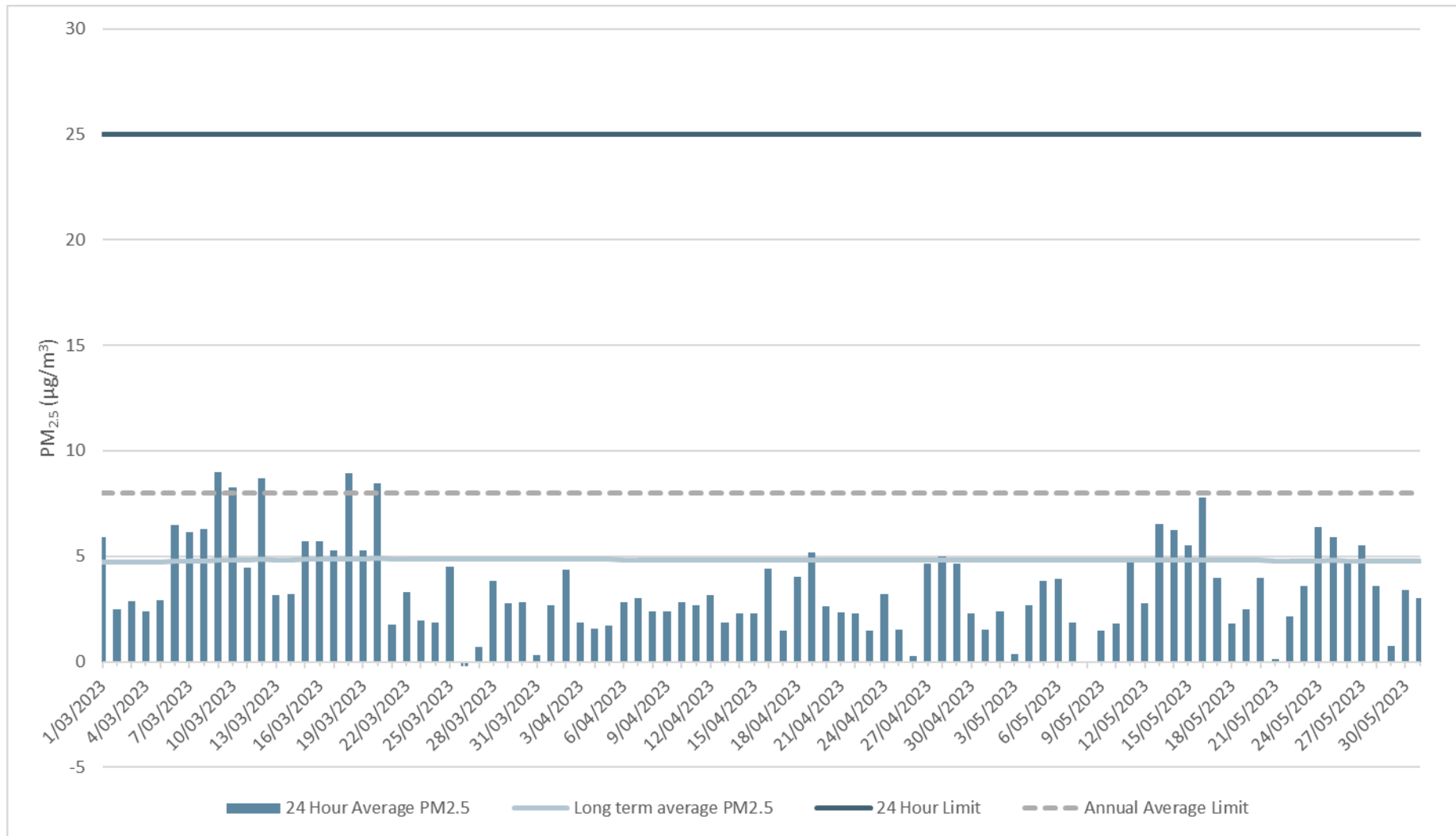
- This Assessment Report proposes the following remedial works are undertaken to address the areas of concern:
 - Diversion of surface water away from the North Void highwall and reduction in the volume of water reporting to the erosion point.
 - Re-directing the contour banks at the East Void to flow towards the rock structure to the west and re-shaping (where possible) and seeding the eroded slope.
 - Geomorphic landform designs have been generated for the older rehab area above the Southern Void and involves the removal and reconstruction of contour banks whilst minimising the impact on areas that are already well vegetated and stable.

PM₁₀ at TEOM-1 (Maxwell Infrastructure)



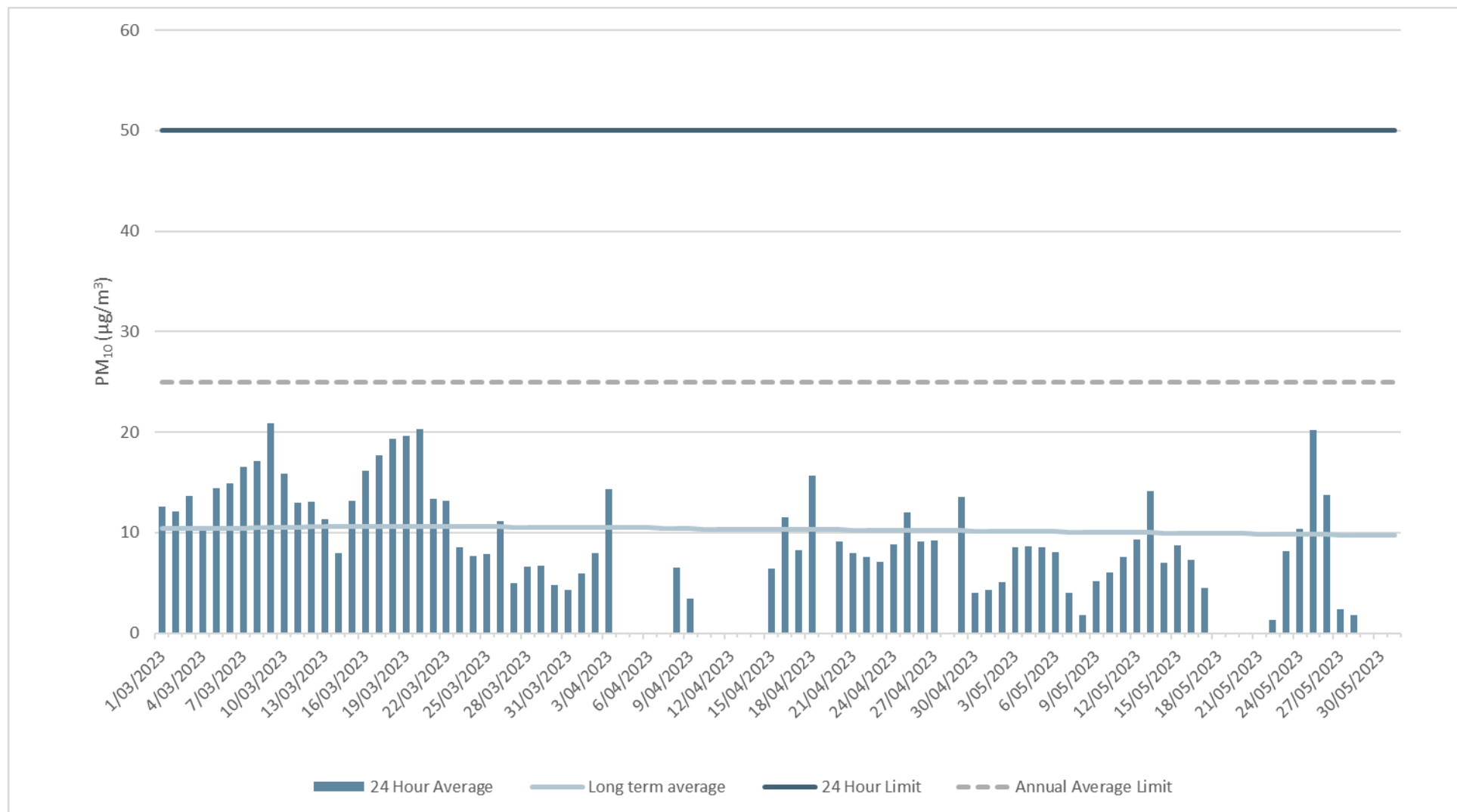
The graph shows 24-hour average and long term (rolling annual average) PM₁₀ concentrations recorded from 1 March to 31 May 2023 as measured using a TEOM. All were significantly below the 24-hour and annual impact assessment criteria.

PM_{2.5} at TEOM-1 (Maxwell Infrastructure)



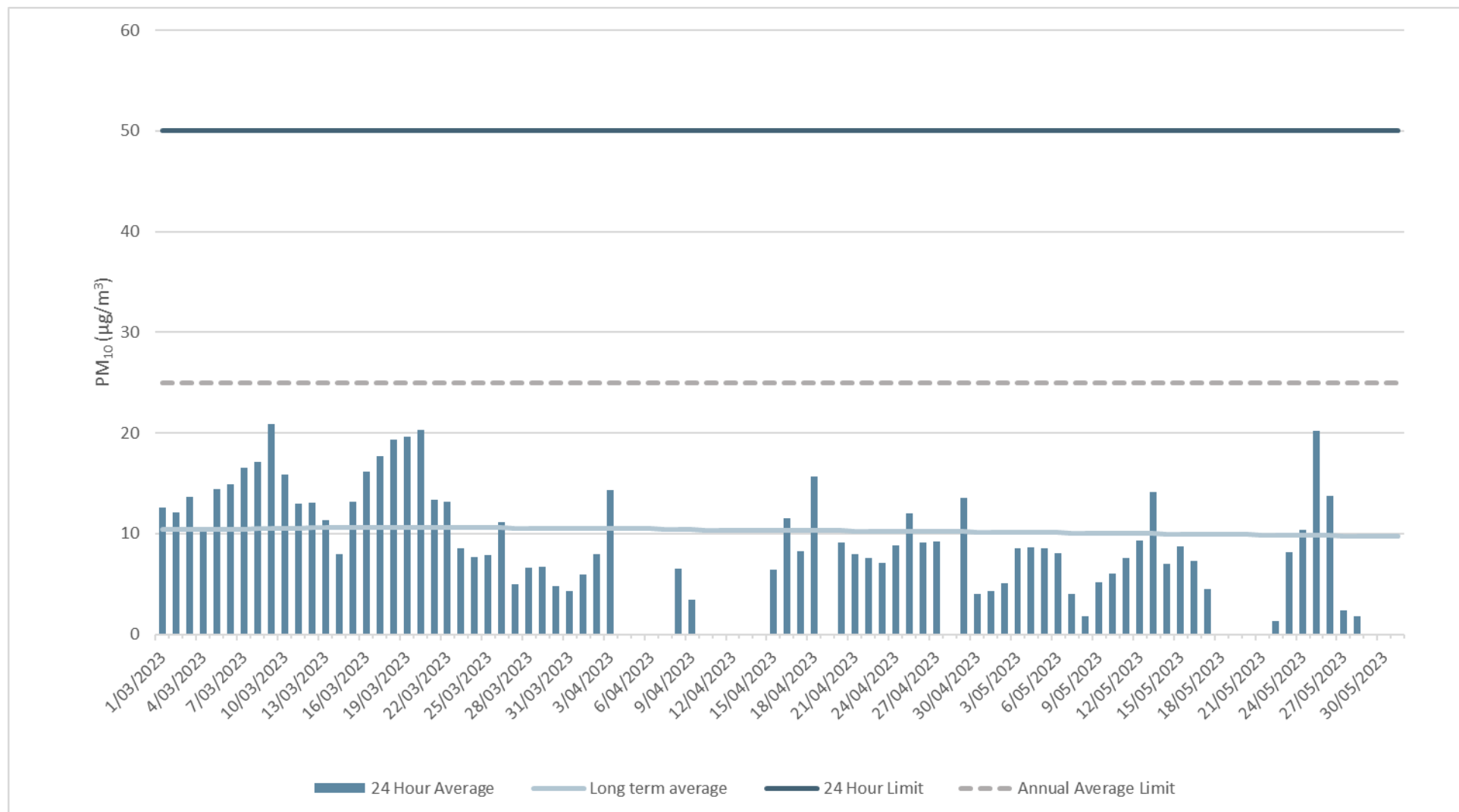
The graph shows 24-hour average and long term (rolling annual average) PM_{2.5} concentrations recorded from 1 March to 31 March 2023 as measured using a TEOM. All were significantly below the 24-hour and annual impact assessment criteria.

PM₁₀ at TEOM-2 (Plashett)



The graph shows 24-hour average and long term (rolling annual average) PM₁₀ concentrations recorded from 1 March 2023 to 31 May 2023 as measured using a TEOM. All were significantly below the 24-hour and annual impact assessment criteria.

PM_{2.5} at TEOM-2 (Plashett)



The graph shows 24-hour average and long term (rolling annual average) PM_{2.5} concentrations recorded from 1 March 2023 to 31 May 2023 as measured using a TEOM. All were significantly below the 24-hour and annual impact assessment criteria. Small negative values in the range are a function of the TEOM instrument at very low concentrations.

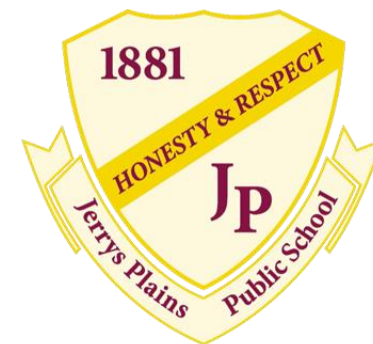
9. Community

Complaints

- No complaints received.

Community Update

- Muswellbrook High School NAIDOC League Tag Games, funding for sausage sizzle and providing all entertainment and activities for the event.
- Sponsorship of the Mt Arthur Wild Dog Association – Bounty Incentive Program.
- Donated for the MCCI -Great Cattle Dog Muster event.
- Muswellbrook South Public School – Green Team. Providing and assisting with planting fruit trees, topping up worm farms, and filling 2 garden beds.
- Jerry's Plains Public School – School Camp in November. Covered 80% of each students cost to attend camp.



10. Community Questions

Community Questions

- No questions received

11. Antiene Rail Modification

Introduction

- The Department's Assessment Report for the Maxwell Project recognised that a modification would be required to DA 106-04-00 (Antiene Rail Spur) to extend its approved operating life (2025) to align with the Maxwell Project (2047).
- The life extension to the Antiene Rail Spur DA 106-04-00 achieves:
 - continued transportation of product coal from the Maxwell Project
 - efficient access of product coal to national and international markets
 - minimal net incremental environmental impact relative to the approved Maxwell Project

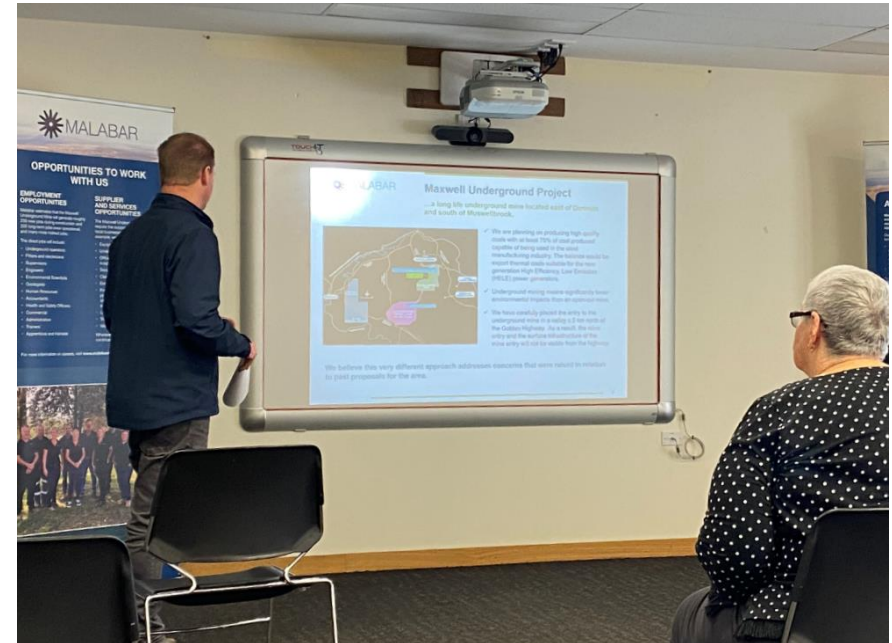
Key Environmental Findings

- Rail movements would comply with the noise limits in Development Consent DA 106-04-00 and relevant criteria in the Rail Infrastructure Noise Guideline.
- The Modification is not anticipated to generate any significant impact to air quality from the Maxwell Project train wagons.
- The movements of trains on the Antiene Rail Spur would result in very low likelihood that vehicles on Antiene Railway Station Road would be delayed by a train.
- The Modification would allow for significant local, regional and state economic and social opportunities of the Maxwell Project to be realised in the long-term.

Stakeholder Engagement

Consultation for the Modification Report was undertaken with the following:

- Department of Planning and Environment
- Environment Protection Authority
- Crown Lands
- Transport for NSW
- Muswellbrook Shire Council
- Maxwell and Antiene Rail Spur Community Consultative Committee
- Australian Rail Track Corporation
- Hunter Valley Coal Chain Coordinator
- BHP
- AGL
- Neighbouring landholders and tenement holders



Modification Timing and Next Steps

- Comprehensive consultation was also undertaken as part of the Maxwell Project EIS.
- Scoping meeting held with DPE on 5 December 2022.
- Consultation undertaken with relevant government agencies, Community Consultative Committees, neighbouring landholders and tenement holders.
- Pre-lodgement meeting held with DPE on 24 May 2023
- Q2 of 2023 - Submission of Modification Report.
- Q4 of 2023 - Determination of the Modification.

12. General Business

Thank you